

CLAIMS

1. An integrated circuit socket, having:
a base;
a plurality of electrical contacts in the base;
a pressure application subassembly including a plurality of pressure application members for applying downward force on an integrated circuit; and
a latching assembly.
2. The socket of claim 1, wherein the pressure application members are spring-loaded.
3. The socket of claim 1 wherein the pressure application members include rocker arms.
4. The socket of claim 3, further including a spring for biasing a first end of the rocker arms.
5. The socket of claim 3, wherein the rocker arms have surfaces for applying pressure to an integrated circuit.
6. The socket of claim 1, wherein the pressure application subassembly further includes truss members connected to the base.
7. The socket of claim 6 wherein the pressure application members are connected to the truss members.
8. The socket of claim 1, wherein the pressure application subassembly further includes a plurality of rocker arms for urging the pressure application members against an integrated circuit.
9. The socket of claim 6, wherein the pressure application members are pads.
10. The socket of claim 9, wherein the pads are removable.

11. The socket of claim 9, wherein the pads include at least one cavity and the rocker arms have first ends biased by a spring and second ends located in the cavities.

12. An integrated circuit socket, including:

- a base;
- a first plate connected to the base;
- a pair of flexible arms connected to the first plate;
- a second plate connected to the base; and
- a latch subassembly movable between an open position and a closed position and wherein movement from the open position to the closed position causes the first and second plates and the arms to move so as to contact an integrated circuit in the socket, thereby positioning the integrated circuit.

13. The socket of claim 12, further including camming members connected to the base and wherein movement of the first plate in a first direction causes a portion of the arms to contact the camming members and move toward the integrated circuit.

14. The socket of claim 13, wherein the arms have ends and the ends are the portion that contact the camming members.

15. The socket of claim 12, further including a first pair of locators connected to the base and a second pair of locators connected to the second plate and wherein the second pair of locators contacts the integrated circuit as the latch subassembly is moved from the open position to the closed position.

16. The socket of claim 15, wherein the second pair of locators urge the integrated circuit into contact with the first pair of locators, thereby aligning the integrated circuit along one edge.

17. The socket of claim 12, wherein the arms contact the integrated circuit and align it about its centerline.

18. An integrated circuit socket, including:

first means for aligning an integrated circuit in the socket along one edge of the integrated circuit; and

second means for aligning the integrated circuit in the socket about the centerline of the integrated circuit.

19. The socket of claim 18, wherein the first means includes at least one moveable plate.

20. The socket of claim 18, wherein the first means includes a pair of stationary members.

21. The socket of claim 18, wherein the second means includes at least one flexible arm.

22. The socket of claim 18, wherein the second means includes at least one camming member.